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IN THE CLAIMS:

Please cancel claims 17 and 18 without prejudice or disclaimer.

1. (Cancelled)

2. (Cancelled)

3. (Previously Presented) A data transferring apparatus of liquid ejection data as claimed in claim 4, wherein registers of said main memory, said decode unit and said liquid ejection head are incorporated in an ASIC as

a circuit block, and registers of said decode unit and said liquid ejection

head are coupled through an exclusive bus in said ASIC.

4. (Currently Amended) A data transferring apparatus of liquid ejection

data, comprising:

two independent buses which are a system bus and a local bus;

a main memory coupled to said system bus, capable of transferring

data;

a local memory coupled to said local bus, capable of transferring

data; and

a decode unit comprising:

a decode circuit coupled between said system bus and said local

bus, capable of transferring data mutually and developing liquid ejection

data compressed to be developed in line based on hardware;

a line buffer for storing liquid ejection data developed by said

decode circuit per word unit; and

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a DMA-transferring means for DMA-transferring liquid ejection data compressed to be developed in line from said main memory to said decode circuit, DMA-transferring liquid ejection data developed in said line buffer to said local memory per word unit and DMA-transferring developed liquid ejection data stored in said local memory to a register of a liquid ejection head sequentially, wherein said line buffer comprises two side buffer areas capable of storing developed data of predetermined words, wherein liquid ejection data developed by said decode circuit is sequentially stored in one of said side buffer areas and liquid ejection data developed by said decode circuit is sequentially stored in the other of said side buffer areas when developed data of predetermined words has been accumulated, while developed data of predetermined words is DMA-transferred to said local memory for each predetermined words when developed data of predetermined words has been accumulated, wherein said local bus is a transferring path of liquid ejection data transferred from said decode unit to a recording head.

- 5. (Previously Presented) A data transferring apparatus of liquid ejection data as claimed in claim 4, wherein data transfers with respect to said local bus from said decode circuit to said local memory and from said local memory to a register of said liquid ejection head are performed in a burst transfer.
- 6. (Previously Presented) A data transferring apparatus of liquid ejection data as claimed in claim 4, wherein said compressed liquid ejection data is run length compressed data, and said decode circuit is capable of developing run length compressed data based on hardware.
- 7. (Currently Amended) A data transferring apparatus of liquid ejection data, comprising:

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two independent buses which are a system bus and a local bus; a main memory coupled to said system bus, capable of transferring data;

a local memory coupled to said local bus, capable of transferring data; and

a decode unit comprising:

a decode circuit coupled between said system bus and said local bus, capable of transferring data mutually and developing liquid ejection data compressed to be developed in line based on hardware;

a line buffer for storing liquid ejection data developed by said decode circuit per word unit; and

a DMA-transferring means for DMA-transferring liquid ejection data compressed to be developed in line from said main memory to said decode circuit, DMA-transferring liquid ejection data developed in said line buffer to said local memory per word unit and DMA-transferring developed liquid ejection data stored in said local memory to a register of a liquid ejection head sequentially, wherein said decode unit comprises a means for storing uncompressed liquid ejection data DMA-transferred from said main memory without being developed by said decode circuit based on hardware, wherein said local bus is a transferring path of liquid ejection data transferred from said decode unit to a recording head.

- 8. (Previously Presented) A liquid ejection apparatus comprising said data transferring apparatus of liquid ejection data as claimed in claim 4.
- 9. (Previously Presented) A data transferring apparatus of liquid ejection data as claimed in claim 5, further including a data rearranging means for vertically rearranging recording data transferred to the local memory.

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10. (Previously Presented) A data transferring apparatus of liquid ejection

data as claimed in claim 4, further including an invalid data mask processing

means for nullifying the initial data of the run-length compressed data.

11. (Previously Presented) A data transferring apparatus of liquid ejection

data as claimed in claim 4, wherein said DMA-transferring developed liquid

ejection is changed and stored in a vertical direction.

12. (Previously Presented) A data transferring apparatus of liquid ejection

data as claimed in claim 4, wherein when the developed liquid ejection data is

stored in line buffer, the developed liquid ejection data is stored by a data

storage starting position shifting method.

13. (Previously Presented) A data transferring apparatus of liquid ejection

data as claimed in claim 7, wherein registers of said main memory, said

decode unit and said liquid ejection head are incorporated in an ASIC as a

circuit block, and registers of said decode unit and said liquid ejection head

are coupled through an exclusive bus in said ASIC.

14. (Previously Presented) A data transferring apparatus of liquid ejection

data as claimed in claim 7, wherein data transfers with respect to said local

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transfer.

bus from said decode circuit to said local memory and from said local memory to a register of said liquid ejection head are performed in a burst

15. (Previously Presented) A data transferring apparatus of liquid ejection data as claimed in claim 7, wherein said compressed liquid ejection data is run length compressed data, and said decode circuit is capable of developing run length compressed data based on hardware.

16. (Previously Presented) A liquid ejection apparatus comprising said data transferring apparatus of liquid ejection data as claimed in claim 7.

17. (Cancelled).

18. (Cancelled).